

In the Claims:

80. (Amended) A cathodoluminescent device, comprising:

- 311
- a) an excitation source; and
  - b) at least a first layer of cathodoluminescent phosphor particles selected from the group consisting of  $Y_2O_2S$ ,  $ZnS$ ,  $Zn_2SiO_4$ ,  $SrGa_2S_4$  and  $Y_2SiO_5$  that are adapted to be stimulated by said excitation source, wherein said phosphor particles have a weight average particle size of from about  $0.1\ \mu m$  to about  $10\ \mu m$ , a substantially spherical morphology and wherein at least about 80 weight percent of said particles are not larger than about two times said average particle size.

Please cancel Claims 85 and 89.

97. (Amended) A cathodoluminescent display device, comprising:

- 312
- a) an excitation source having an excitation potential of not greater than about 5 kV; and
  - b) at least a first layer of cathodoluminescent phosphor particles selected from the group consisting of  $Zn_2SiO_4$ ,  $Y_2SiO_5$  and  $SrGa_2S_4$  that are adapted to be stimulated by said excitation source, wherein said phosphor particles have a weight average particle size of from about  $0.1\ \mu m$  to about  $10\ \mu m$ , a substantially spherical morphology and wherein at least about 80 weight percent of said particles are not larger than about two times said average particle size.

Please cancel Claim 99.

104. (Amended) A cathodoluminescent display device, comprising:

- 313
- a) an excitation source having an excitation potential of at least about 20 kV; and
  - b) at least a first layer comprising  $Zn_2SiO_4$  cathodoluminescent phosphor particles adapted to be stimulated by said excitation source, wherein said phosphor particles have a weight average particle size of from about  $0.1\ \mu m$  to about  $10\ \mu m$ , a substantially spherical morphology and wherein at least

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about 80 weight percent of said particles are not larger than about two times said average particle size.

Please cancel Claim 107.

113. (Amended) A field emission display, comprising:

- B14
- a) a back plate portion comprising a plurality of electron tip emitters; and
  - b) a transparent front plate portion comprising a layer of phosphor powder comprising substantially spherical cathodoluminescent phosphor particles selected from the group consisting of  $Y_2SiO_5$  and  $SrGa_2S_4$ , wherein said phosphor particles have a weight average particle size of from about 0.1  $\mu m$  to about 5  $\mu m$  and a particle size distribution wherein at least about 80 weight percent of said particles are not larger than twice said average particle size.

Please cancel Claims 114 and 115.

Please cancel Claim 121.

124. (Amended) A CRT display device, comprising:

- B15
- a) an excitation source comprising an electron emitter; and
  - b) a transparent front plate portion comprising a layer of phosphor powder comprising substantially spherical cathodoluminescent phosphor particles selected from the group consisting of  $Y_2O_2S$ ,  $ZnS$ ,  $SrGa_2S_4$  and  $Y_2SiO_5$ , wherein said phosphor particles have a weight average particle size of ~~[not greater than]~~ from about 0.1  $\mu m$  to about 5  $\mu m$  and a particle size distribution wherein at least about 80 weight percent of said particles are not larger than twice said average particle size.

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Please cancel Claims 129-130.

Please cancel Claim 134.

138. (Amended) A projection CRT display device, comprising:

- B16
- a) a cathodoluminescent excitation source;
  - b) a display screen; and
  - c) a phosphor layer disposed between said excitation source and said display screen, wherein said phosphor layer comprises substantially spherical cathodoluminescent phosphor particles selected from the group

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consisting of  $\text{Y}_2\text{O}_3$ ,  $\text{Y}_2\text{O}_2\text{S}$  and  $\text{Zn}_2\text{SiO}_4$ , wherein said phosphor particles have a weight average particle size of from about  $0.1\text{ }\mu\text{m}$  to about  $5\text{ }\mu\text{m}$  and a particle size distribution wherein at least about 80 weight percent of said particles are not larger than twice said average particle size.

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In the Figures:

Please insert the sheet illustrating Figs. 6 and 7 that is attached hereto.